ELSEVIER

Journal of Marine Systems 13 (1997) 283

JOURNAL OF MARINE SYSTEMS

Contents Volume 13, 1997

Research Papers

Modelling the dispersion of 137Cs and 239Pu released from dumped waste in the Kara Sea
I.H. Harms 1
Assimilation of buoy and satellite data in wave forecasts with integral control variables
L.H. Holthuijsen, N. Booij, M. van Endt, S. Caires and C. Guedes Soares 21
What causes short-term oscillations in ecosystem models of the ocean mixed layer?
V.A. Ryabchenko, M.J.R. Fasham, B.A. Kagan and E.E. Popova 33
Summer distribution of seabirds in the North-East Water polynya, Greenland
C.R. Joiris, K. Kampp, J. Tahon and R. Møbjerg Kristensen 51
The interaction of southwest monsoon upwelling, advection and primary production in the northwest Arabian Sea
T.R. Keen, J.C. Kindle and D.K. Young 61
Numerical experiments on the prediction of sea surface temperature anomalies in the Gulf of Mexico
V.M. Mendoza, E.E. Villanueva and J. Adem. 83
Upwelling on the Yucatan Shelf: hydrographic evidence
M. Merino 101
Ecological modeling as a tool for coastal zone management in Dokai Bay, Japan
T. Yanagi, K. Inoue, S. Montani and M. Yamada. 123
On convection and the formation of Subantarctic Mode Water in the Fine Resolution Antarctic Model (FRAM)
J. Ribbe and M. Tomczak 137
Dissolved organic matter studies in enclosed systems: Application of hydrophobic fractionation for the assessment of organic nitrogen dynamics
R.J. Lara, U. Hubberten, D.N. Thomas, M.E.M. Baumann and G. Kattner 155
A European network for sea level and coastal land level monitoring
T.F. Baker, P.L. Woodworth, G. Blewitt, C. Boucher and G. Wöppelmann 163
A numerical transport model for predicting the distributions of Cd, Cu, Ni, Pb and Zn in the southern North Sea: the sensitivity of model results to the uncertainties in the magnitudes of metal inputs
A.D. Tappin, J.D. Burton, G.E. Millward and P.J. Statham. 173
Recovering spatial features in the ocean: performance of isopycnal vs. isobaric analysis
D. Gomis, M.A. Pedder and A. Viúdez 205
Seasonal variability in sea surface oceanographic conditions in the Aegean Sea (Eastern Mediterranean): an overview
S.E. Poulos, P.G. Drakopoulos and M.B. Collins 225
On the Black Sea water mass formation. Model sensitivity study to atmospheric forcing and parameterizations of physical processes
E.V. Stanev, J.V. Staneva and V.M. Roussenov 245
Effects of surfactant on the growth of wind waves — Simultaneous observations with optical and microwave sensors
A. Savtchenko, S. Tang and J. Wu 273